

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1995:994661 CAPLUS

DN 124:145627

OREF 124:27077a,27080a

TI Preparation of polyethylene glycol esters of
2-(4-chloro-2-methylphenoxy)propionic acid as root penetration inhibitors.

IN Heuer, Lutz; Rother, Heinz-Joachim; Glock, Volker

PA Bayer A.-G., Germany; Bayer Chemicals AG

SO Ger. Offen., 6 pp.

CODEN: GWXXEX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4412330	A1	19951012	DE 1994-4412330	19940411
	DE 4412330	B4	20050120		
	US 5675032	A	19971007	US 1995-416412	19950404
	JP 07304712	A	19951121	JP 1995-103223	19950405
	JP 3810105	B2	20060816		
	BE 1008747	A3	19960702	BE 1995-315	19950405
	ES 2121509	A1	19981116	ES 1995-688	19950406
	ES 2121509	B1	19990916		
	NL 1000102	A1	19951011	NL 1995-1000102	19950410
	NL 1000102	C2	19960119		
	FR 2718438	A1	19951013	FR 1995-4245	19950410
	FR 2718438	B1	19960628		
	GB 2288395	A	19951018	GB 1995-7404	19950410
	GB 2288395	B	19980325		
	CH 689002	A5	19980715	CH 1995-1032	19950410
	CH 689306	A5	19990215	CH 1998-1012	19950410
PRAI	DE 1994-4412330	A	19940411		

OS CASREACT 124:145627

AB Title compds. were prepared by reaction of polyethylene glycols having a mol. weight distribution of 170-230 with 2-(4-chloro-2-methylphenoxy)propionic acid (I) at 155-195°. Thus, I was heated with polyethylene glycol 200 at 185-195° and 3-8 mbar for 30 h to give a mixture of tetraethylene glycol monoester 2.4, triethylene glycol diester 20.6, tetraethylene glycol diester 48.8, pentaethylene glycol diester 18.1, and hexaethylene glycol diester 2.1 weight%. The mixture was highly effective as a root penetration inhibitor.

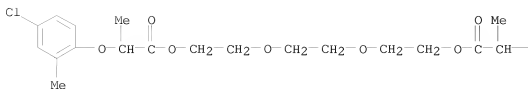
IT 80072-54-4P 104133-05-3P 171772-10-4P
171772-11-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); MOA (Modifier or additive use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of polyethylene glycol esters of
2-(4-chloro-2-methylphenoxy)propionic acid as root penetration
inhibitors)

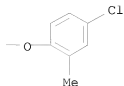
RN 80072-54-4 CAPLUS

CN Propanoic acid, 2-(4-chloro-2-methylphenoxy)-,
1,2-ethanediylbis(oxy-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

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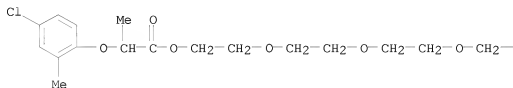


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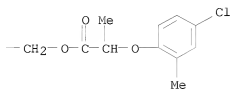


RN 104133-05-3 CAPLUS
 CN Propanoic acid, 2-(4-chloro-2-methylphenoxy)-,
 oxybis(2,1-ethanedioxy-2,1-ethanedioyl) ester (9CI) (CA INDEX NAME)

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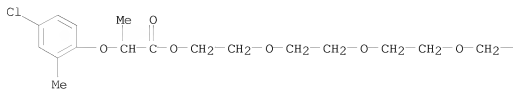


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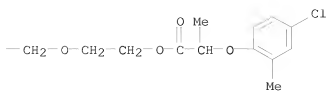


RN 171772-10-4 CAPLUS
 CN Propanoic acid, 2-(4-chloro-2-methylphenoxy)-,
 3,6,9,12-tetraoxatetradecane-1,14-diyl ester (9CI) (CA INDEX NAME)

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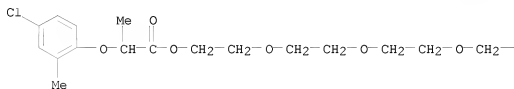
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RN 171772-11-5 CAPLUS

CN Propanoic acid, 2-(4-chloro-2-methylphenoxy)-,
3,6,9,12,15-pentaoxaheptadecane-1,17-diyl ester (9CI) (CA INDEX NAME)

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